

# Akshay Kumar Vennu

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## EDUCATION

### Chaitanya Bharathi Institute of Technology

Bachelor of Engineering (B.E), Information Technology

CGPA - 8.5

2022-2025

### Vemuganti Manohar Rao Polytechnic

Diploma in CSE

CGPA - 9.8

2019-2022

## PROJECTS

### Information Management System for CBIT ([Live Link](#))

Developed a comprehensive Information Management System using the MERN stack to streamline data handling for my college CBIT.

- Tools & technologies used: React, Express, Node.js, MongoDB
- The system centralizes information on library resources, campus facilities, departmental details, placements, and sports activities. Accessible to faculty and administrative heads, it facilitates efficient data updates and management.
- Developed a backend system for managing infrastructure data, streamlining data entry, and retrieval processes, reducing manual errors by 30%.

### CBIT IT Department website ([Live Link](#))

Created an IT Department website with a chatbot to enhance communication and streamline information access at CBIT.

- Tools & technologies used: React.js, Express.js, Node.js, MongoDB, NLP
- Enhanced user experience with a responsive design and intuitive navigation, increasing student engagement by 25
- Implemented a chatbot that automated responses to frequently asked questions, reducing manual query handling by 30% and improving response time by 40%.

### Automatic License Plate Detection with CNN, OCR, and OpenCV ([Link](#))

Developed a high-accuracy license plate detection system using deep learning and OCR to extract vehicle registration numbers from images.

- Tools & Technologies Used: Python, TensorFlow, OpenCV, OCR, CNN
- Preprocessed the dataset to enhance model performance and trained a CNN-based model for accurate plate recognition.
- Achieved **95.2% accuracy** in detecting and extracting license plate numbers from vehicle images.

## EXPERIENCE

### Corporate Relations Manager Intern

Nov - Dec 2024

NxtWave Hyderabad, Telangana

- Gained hands-on experience in B2B relationship management, negotiation, and corporate communication. Improved leadership skills while gaining real-world experience and exposure to the edtech industry.

### FreeLance

Apr - July 2024

Cbit Hyderabad, Telangana

- Developed and managed backend systems for the CBIT-MIS project, focusing on database architecture and infrastructure data management.
- Gained expertise in designing and implementing data models, ensuring seamless integration with frontend systems and enhancing data accessibility for administrative staff.

## SKILLS

**Languages:** C, Java, Python

**Web Development:** HTML, CSS, Javascript, React.js, Express.js, Node.js, MongoDB.

**Databases:** MySQL, MongoDB

**Relevant Coursework & Others:** Data Structures and Algorithms, Machine Learning, Artificial Intelligence

**Soft Skills:** Leadership, Teamwork, Adaptability

## CERTIFICATIONS

**Oracle Certificate:** Java Fundamentals. ([Certificate](#))

**Infosys Springboard Certificate:** MERN Stack Web Development, Introduction to Cloud Computing, C# Basics, Serverless Computing Fundamentals, AWS Lambda, Overview of Agile & DevOps, Introduction to Data Science, Artificial Intelligence Foundation, Machine Learning Foundation, Cyber Security Foundation. ([Certificate](#))

## Positions of Responsibility & Achievements

- Secured state 107th rank in the ECET.
- Team Lead for our college Technical Event called SkribbleIt. Feb'2024
- Volunteer for 24'hr Hackthon in CBIT